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DATE MAILED: 11/05/2004

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/940,716	08/29/2001	Isao Muraguchi	N36-136495 M/TH	5755
30743 7	590 11/05/2004	EXAMINER		
WHITHAM,	CURTIS & CHRIST	SHAFER, RICKY D		
11491 SUNSE	T HILLS ROAD			
SUITE 340			ART UNIT	PAPER NUMBER
RESTON, VA	20190	2872	-	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	Application No. Applicant(s)					
		09/940,71	6	MURAGUCHI ET AL.				
		Examiner		Art Unit				
		Ricky D. S		2872				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE N - Extense after S - If the p - If NO - Failure Any re	DRTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION sions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by state the ply received by the Office later than three months after the main department of the plant of the main department. See 37 CFR 1.704(b).	N. 1.136(a). In no eve eply within the statu od will apply and wil tute, cause the appl	int, however, may a reply be tim story minimum of thirty (30) days Il expire SIX (6) MONTHS from ication to become ABANDONEI	ely filed will be considered time the mailing date of this c (35 U.S.C. § 133)	ly. ommunication.			
Status								
1)⊠	Responsive to communication(s) filed on <u>13</u>	August 2004						
2a)⊠	This action is FINAL. 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice unde	r <i>Ex parte Qu</i>	ayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims								
5)□ 6)⊠ 7)⊠	 4) Claim(s) 1,3-6 and 9-14 is/are pending in the application. 4a) Of the above claim(s) 12 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,3-6 and 9 is/are rejected. 7) Claim(s) 10,11,13 and 14 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 							
Application	on Papers	-	•					
9) 🗌 🗆	The specification is objected to by the Exami	iner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	nder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/	08)	_		O-152)			
Paper No(s)/Mail Date <u>01/06/2004</u> . 6) Other:								

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DETAILED ACTION

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1. Applicant's election of invention I (claims 1 and 3-6) and species "B", the outermost layer having an index of refraction of 1.62, in the reply filed on August 13, 2004 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

- 2. Claims 12 is withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention and species, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on August 13, 2004.
- 3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 3, 4 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Kawaguchi et al ('345).

Kawaguchi et al discloses an optical filter comprising a plurality of dielectric materials alternatively arranged on a transparent substrate (1) to form a laminate, wherein said filter includes a first dielectric group (SiO2) having a low index of refraction, a second dielectric group (TiO2) having a high index of refraction and a third dielectric layer (SnO2) having an intermediate index of refraction, serving as the outermost surface of the filter. Note figures 1 to 3 along with the associated description thereof.

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5. Claims 1, 3, 4 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by French Patent ('624).

French Patent ('624) discloses an optical filter comprising a plurality of dielectric materials alternatively arranged on a transparent substrate (7) to form a laminate, wherein said filter includes a first dielectric group (2,4) of SiO2 having a low index of refraction, a second dielectric group (1,3) of TiO2 having a high index of refraction and a third dielectric layer (6) having an intermediate index of refraction, serving as the outermost surface of the filter. Note figure 1 along with the associated description thereof.

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawaguchi et al ('345) or French Patent ('624) in view of Kobayashi et al ('059).

Kawaguchi et al ('345) and French Patent ('624) discloses all of the subject matter claimed, note the above explanation, except for explicitly that the filter is orientated at an angle of incidence between 20 to 70 degrees and that the layers of the filter approximate a quarter wavelength.

Kobayashi et al teaches it is well known to orientate an optical filter at an angle of incidence between 20 to 70 degrees and that the layers of the filter approximate a quarter wavelength in the same field of endeavor for the purpose of regulating/controlling the reflection and transmission characteristics of the filter.

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Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the orientation of the optical filter of Kawaguchi et al ('345) or French Patent ('624) at an angle of incidence between 20 to 70 degrees and select the layers of the filter to approximate a quarter wavelength, as taught by Kobayashi et al, in order to regulate/control the reflection and transmission characteristics of the filter.

- 8. Claims 10, 11, 13 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- Claims 10, 13 and 14 are objected to because of the following informalities:
 In claim 10, line 3, the language "or 1.46" should be deleted.

In claims 13 and 14, line 6, the language "the outermost layer" should be changed to read --said layer on an outermost surface--

In claim 14, line 5, the language "first" should be deleted.

Appropriate correction is required.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ricky D. Shafer whose telephone number is (571) 272-2320. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about

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Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the

RDS

November 01, 2004

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